

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|---|------------------|---------|---------------------|
| L1    | 2      | "5659616".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/25<br>17:29 |
| L2    | 2      | "5677955".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/25<br>17:48 |
| L3    | 6      | "727324".ap.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/25<br>17:50 |
| L4    | 85     | Ginter-Karl-I.in.   | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/05/25<br>17:51 |
| L5    | 129    | shear-victor-h.in.  | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/05/25<br>17:51 |
| L6    | 85     | spahn-francis-j.in.   | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/05/25<br>17:51 |
| L7    | 378599 | van wie-david-m.in.   | US-PGPUB;<br>USPAT  | OR               | ON      | 2009/05/25<br>17:52 |
| L8    | 0      | van wie-david-m.in.   | US-PGPUB;<br>USPAT  | ADJ              | ON      | 2009/05/25<br>17:52 |
| L9    | 0      | wie-david-m.in.   | US-PGPUB;<br>USPAT  | ADJ              | ON      | 2009/05/25<br>17:52 |
| L10   | 0      | wie-van-david-m.in.   | US-PGPUB;<br>USPAT  | ADJ              | ON      | 2009/05/25<br>17:52 |
| L11   | 63     | weber-robert-p.in.  | US-PGPUB;<br>USPAT  | ADJ              | ON      | 2009/05/25<br>17:53 |
| L12   | 1203   | (713/156).CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/05/25<br>18:02 |
| L13   | 96     | 12 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/25<br>18:02 |

|     |     |   |   |    |     |                     |
|-----|-----|---|---|----|-----|---------------------|
| L14 | 224 | (713/157).CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/25<br>18:03 |
| L15 | 30  | 14 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/25<br>18:03 |
| L16 | 273 | (713/158).CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/25<br>18:03 |
| L17 | 31  | 16 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/25<br>18:03 |
| L18 | 615 | (713/175).CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/25<br>18:03 |
| L19 | 35  | 18 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/25<br>18:03 |
| L20 | 410 | (726/10).CCLS.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/25<br>18:04 |
| L21 | 12  | 20 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/25<br>18:04 |
| S1  | 5   | "727324".ap.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/01/22<br>13:45 |
| S2  | 0   | "426764".pn.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/01/22<br>13:45 |
| S3  | 7   | "426764".ap.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/01/22<br>13:45 |

|     |      |  |   |     |     |                     |
|-----|------|--|---|-----|-----|---------------------|
| S4  | 6099 | digital certificate  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/01/23<br>17:22 |
| S5  | 49   | S4 and @ay <= "1995"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/01/23<br>17:51 |
| S6  | 2    | "6367013".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/01/23<br>18:32 |
| S7  | 73   | multiple digital certificates  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/01/23<br>18:37 |
| S8  | 2009 | digital certificates   | USPAT   | ADJ | ON  | 2008/01/23<br>18:44 |
| S9  | 690  | (digital certificate) near5 (online or web or e-commerce or internet)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/01/23<br>18:45 |
| S10 | 152  | (digital certificate) near5 (online or web or e-commerce or internet)  | USPAT   | ADJ | ON  | 2008/01/23<br>19:00 |
| S11 | 1    | "5999711".pn.  | USPAT   | OR  | OFF | 2008/01/23<br>19:00 |
| S12 | 2    | ((log-in) or (log on)) near5 (digital certificate)   | USPAT   | ADJ | ON  | 2008/01/23<br>19:07 |
| S13 | 3    | {"5812819"   "5848233"   "5884024").PN. OR ("6981143").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2008/01/23<br>19:07 |
| S14 | 100  | {"3852571"   "4528643"   "4594663"   "4823264"   "4960981"   "5053956"   "5283731"   "5319705"   "5336870"   "5383113"   "5404393"   "5426281"   "5475585"   "5479510"   "5590197"   "5592375"   "5606361"   "5619558"   "5661517"   "5677955").PN. OR ("5878141").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2008/01/23<br>19:09 |

|     |     |  |   |    |     |                     |
|-----|-----|--|---|----|-----|---------------------|
| S15 | 37  | ("20010042043"  <br>"20020023214"   "20020048369"<br>"20020087859"  <br>"20020112171"   "20020152173"<br>"20030023856"  <br>"20030041239"   "20030046244"<br>"20030069748"  <br>"20030069749"   "20030084003"<br>"20030105721"  <br>"20030163431"   "20040054630"<br>"20040059951"  <br>"20040073813"   "20040103305"<br>"20040107356"  <br>"20040123129"   "20040133793"<br>"20050027871"  <br>"20050050332"   "20050060560"<br>"20050060584"  <br>"20050108555"   "3573747"  <br>"3609697"   "3790700"  <br>"3796830"   "3798359"  <br>"3798360"   "3798605"  <br>"3806874"   "3806882"  <br>"3829833"   "3845391").pn.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/01/24<br>16:45 |
| S16 | 217 | ("3906448"   "3911397"  <br>"3924065"   "3931504"  <br>"3946200"   "3946220"  <br>"3956615"   "3958081"  <br>"3970992"   "3996449"  <br>"4020326"   "4048619"  <br>"4071911"   "4104721"  <br>"4112421"   "4120030"  <br>"4141005"   "4162483"  <br>"4163280"   "4168396"  <br>"4196310"   "4200913"  <br>"4209787"   "4217588"  <br>"4220991"   "4228606"  <br>"4232193"   "4232317"  <br>"4236217"   "4246638"  <br>"4253157"   "4259720"  <br>"4262329"   "4265371"  <br>"4270182"   "4278837"  <br>"4305131"   "4306289"  <br>"4309569"   "4319079"  <br>"4321672"   "4323921"  <br>"4328544"   "4337483"  <br>"4361877"   "4375579"  <br>"4405829"   "4424486"  <br>"4433207"   "4434464"  <br>"4454594"   "4457746"  <br>"4458315"   "4458494"  <br>"4462076"   "4462078"  <br>"4465901"   "4471163"  <br>"4471216"   "4484217"  <br>"4494156"   "4513174"  <br>"4523271"   "4525599"  <br>"4528588"   "4528643"  <br>"4529870"   "4553252"  <br>"4558176"   "4558413"  <br>"4562305"   "4562306"  <br>"4562495"   "4573119" | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/24<br>17:25 |

|     |     |   |   |    |     |                     |
|-----|-----|---|---|----|-----|---------------------|
|     |     | "4577289"   "4578530"  <br>"4584639"   "4584641"  <br>"4588991"   "4589064"  <br>"4590552"   "4593183"  <br>"4593353"   "4593376"  <br>"4595950").pn.   |   |    |     |                     |
| S17 | 481 | ("4597058"   "4598288"  <br>"4599489"   "4609777"  <br>"4609985"   "4621321"  <br>"4621334"   "4634807"  <br>"4644493"   "4646234"  <br>"4649515"   "4652990"  <br>"4658093"   "4670857"  <br>"4672572"   "4672605"  <br>"4677434"   "4677552"  <br>"4680731"   "4683553"  <br>"4683968"   "4685055"  <br>"4685056"   "4688169"  <br>"4691350"   "4696034"  <br>"4700296"   "4701846"  <br>"4712238"   "4713753"  <br>"4727550"   "4740890"  <br>"4747139"   "4748561"  <br>"4757533"   "4757534"  <br>"4757914"   "4768087"  <br>"4780821"   "4791565"  <br>"4796181"   "4796220"  <br>"4798209"   "4799156"  <br>"4807288"   "4816655"  <br>"4817140"   "4823264"  <br>"4827508"   "4858121"  <br>"4864494"   "4864616"  <br>"4866769"   "4868736"  <br>"4868877"   "4881197"  <br>"4888798"   "4893248"  <br>"4893332"   "4903296"  <br>"4907269"   "4919545"  <br>"4924378"   "4926480"  <br>"4930073"   "4937863"  <br>"4941175"   "4949187"  <br>"4953209"   "4962533"  <br>"4967403"   "4975647"  <br>"4975878"   "4977594"  <br>"4995082"   "4999806"  <br>"0462222"   "5001752"  <br>"5005122"   "5005200"  <br>"5010571"   "5014234"  <br>"5022080"   "5023907"  <br>"5027397"   "5032979"  <br>"5047928"   "5048085"  <br>"5050212"   "5050213"  <br>"5051932"   "5058162"  <br>"5065429"   "5079648"  <br>"5091966"   "5103392"  <br>"5103459"   "5103476"  <br>"5109413"   "5111390"  <br>"5113518"   "5119493"  <br>"5126936"   "5128525"  <br>"5129084"   "5136643"  <br>"5136646"   "5136647" | US-PGPUB;<br>USPAT; USOCR;<br>PPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/24<br>18:29 |

|           |           |
|-----------|-----------|
| "5136716" | "5138712" |
| "5146575" | "5148481" |
| "5150407" | "5155680" |
| "5163091" | "5164988" |
| "5168147" | "5185717" |
| "5187787" | "5191573" |
| "5199066" | "5199074" |
| "5201046" | "5201047" |
| "5204897" | "5206951" |
| "5208748" | "5214700" |
| "5214702" | "5216603" |
| "5218605" | "5221833" |
| "5222134" | "5224160" |
| "5224163" | "5227797" |
| "5235642" | "5237614" |
| "5245165" | "5247575" |
| "5251294" | "5257369" |
| "5260999" | "5263157" |
| "5263158" | "5263165" |
| "5265164" | "5276735" |
| "5276901" | "5280479" |
| "5283830" | "5285494" |
| "5287407" | "5291598" |
| "5301231" | "5311591" |
| "5315448" | "5319705" |
| "5319735" | "5319785" |
| "5325524" | "5335169" |
| "5335346" | "5337357" |
| "5337360" | "5341429" |
| "5343526" | "5343527" |
| "5347579" | "5349642" |
| "5351293" | "5354097" |
| "5355474" | "5359721" |
| "5361359" | "5365587" |
| "5367621" | "5369702" |
| "5369707" | "5371792" |
| "5373440" | "5373561" |
| "5375240" | "5383113" |
| "5388211" | "5390297" |
| "5390330" | "5392220" |
| "5392390" | "5394469" |
| "5408501" | "5410598" |
| "5412717" | "5418713" |
| "5420927" | "5421006" |
| "5422645" | "5422953" |
| "5428606" | "5428685" |
| "5432928" | "5432950" |
| "5432953" | "5438508" |
| "5440634" | "5442645" |
| "5444779" | "5449895" |
| "5449896" | "5450490" |
| "5450493" | "5453601" |
| "5453605" | "5455407" |
| "5455861" | "5455953" |
| "5457747" | "5458494" |
| "5463565" | "5473687" |
| "5473692" | "5479509" |
| "5485622" | "5490216" |
| "5491800" | "5497479" |
| "5497491" | "5499298" |
| "5504757" | "5504818" |

|     |     |   |   |    |     |                     |
|-----|-----|---|---|----|-----|---------------------|
|     |     | "5504837"   "5505461"  <br>"5508913"   "5509070"  <br>"5513261"   "5517518"  <br>"5521815"   "5524933"  <br>"5530235"   "5530752"  <br>"5533123"   "5534855"  <br>"5534975"   "5535322"  <br>"5537526"   "5539735"  <br>"5539828").pn.  |   |    |     |                     |
| S18 | 116 | ("5832119"   "5842173"  <br>"5845281"   "5878421"  <br>"5892899"   "5892900"  <br>"5896454"   "5910987"  <br>"5915019"   "5917912"  <br>"5920861"   "5940504"  <br>"5940505"   "5943422"  <br>"5949876"   "5956408"  <br>"5966440"   "5978484"  <br>"5982891"   "5991876"  <br>"5995756"   "5999949"  <br>"0532851"   "0575910"  <br>"6009170"   "6016393"  <br>"6026193"   "6044205"  <br>"6085238"   "6102965"  <br>"6112181"   "6135646"  <br>"6138119"   "6157721"  <br>"6185683"   "6237786"  <br>"6240185"   "6253193"  <br>"6292569"   "6363488"  <br>"6389402"   "6393484"  <br>"6427140"   "6449367"  <br>"6477559"   "6519615"  <br>"6618484"   "6640304"  <br>"6658568"   "6668325"  <br>"6785815"   "6807534"  <br>"6832316"   "6938021"  <br>"6948070"   "6950867"  <br>"6959384"   "6961854"  <br>"6973499"   "7050586"  <br>"7051212"   "7058805"  <br>"7062500"   "7069451"  <br>"7076652"   "7085839"  <br>"7092914"   "7095854"  <br>"7100199").FN. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/24<br>18:55 |
| S19 | 132 | ("5550971"   "5553282"  <br>"5557518"   "5557798"  <br>"5568552"   "5572673"  <br>"5574962"   "5577209"  <br>"5581686"   "5581800"  <br>"5583946"   "5592549"  <br>"5603031"   "5606609"  <br>"5613004"   "5621797"  <br>"5625693"   "5629770"  <br>"5629980"   "5633932"  <br>"5634012"   "5636276"  <br>"5636292"   "5638443"  <br>"5638504"   "5640546"  <br>"5644686"   "5646997"  <br>"5649099"   "5655077"  <br>"5671279"   "5678170"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/24<br>19:28 |

|     |     |  |                           |    |     |                     |
|-----|-----|--|---------------------------|----|-----|---------------------|
|     |     | "5687236"   "5689565"  <br>"5689566"   "5689587"  <br>"5692047"   "5692180"  <br>"5692980"   "5699427"  <br>"5710834"   "5715314"  <br>"5715403"   "5717923"  <br>"5721788"   "5724424"  <br>"5724425"   "5732398"  <br>"5734719"   "5740549"  <br>"5745569"   "5745604"  <br>"5745678"   "5748753"  <br>"5748763"   "5748783"  <br>"5748960"   "5754849"  <br>"5757914"   "5758152"  <br>"5759101"   "5765152"  <br>"5768426"   "5774872"  <br>"5778385"   "5787334"  <br>"5802590"   "5819263" ).pn.                       |                           |    |     |                     |
| S20 | 1   | "5999711".pn.  | USPAT                     | OR | OFF | 2008/01/24<br>21:30 |
| S21 | 33  | ("4896319"   "4993068"  <br>"5224163"   "5235642"  <br>"5335346"   "5560008").PN. OR<br>("5999711").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/24<br>22:07 |
| S22 | 0   | "55136643".pn.   | USPAT                     | OR | OFF | 2008/01/24<br>22:08 |
| S23 | 1   | "5136643".pn.  | USPAT                     | OR | OFF | 2008/01/24<br>22:08 |
| S24 | 1   | "5534855".pn.  | USPAT                     | OR | OFF | 2008/01/24<br>22:09 |
| S25 | 1   | "5214702".pn.  | USPAT                     | OR | OFF | 2008/01/24<br>22:09 |
| S26 | 1   | "5001752".pn.  | USPAT                     | OR | OFF | 2008/01/24<br>22:10 |
| S27 | 1   | "5633932".pn.  | USPAT                     | OR | OFF | 2008/01/24<br>22:10 |
| S28 | 1   | "6587837".pn.  | USPAT                     | OR | OFF | 2008/01/24<br>22:11 |
| S29 | 130 | ("4200770"   "4218582"  <br>"4272810"   "4405829"  <br>"4424414"   "4463387"  <br>"4528643"   "4731840"  <br>"4757534"   "4782529"  <br>"4803725"   "4809327"  <br>"4825306"   "4868687"  <br>"4868877"   "4878246"  <br>"4879747"   "4905163"  <br>"4926479"   "4944006"  <br>"4995082"   "5005200"  <br>"5130792"   "5159634"  <br>"5214702"   "5220604"  <br>"5224163"   "5224166"  <br>"5260788"   "5261002"  <br>"5276901"   "5315658"  <br>"5319705"   "5347580"  <br>"5355302"   "5369705"  <br>"5371794"   "5412717" | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/24<br>22:11 |



|     |    |   |                           |    |     |                     |
|-----|----|---|---------------------------|----|-----|---------------------|
|     |    | "5420927"   "5497421"  <br>"5509071"   "5519778"  <br>"5537475"   "5557541"  <br>"5581479"   "5588060"  <br>"5592664"   "5604804"  <br>"5606617"   "5636139"  <br>"5646999"   "5666420"  <br>"5673316"   "5675734"  <br>"5710887"   "5796841"  <br>"5799088"   "5862223"  <br>"5864620"   "5892900"  <br>"5960086"   "5982891"  <br>"6009177"   "6064989"  <br>"6192473"   "6226618").PN. OR<br>("6587837").URPN.   |                           |    |     |                     |
| S30 | 75 | ("4405829"   "4625076"  <br>"4725718"   "4757537"  <br>"4775246"   "4831555"  <br>"4868877"   "4873645"  <br>"5001752"   "5136647"  <br>"5373561"   "5586036").PN. OR<br>("5796841").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/24<br>22:22 |
| S31 | 1  | "5634012".pn.   | USPAT                     | OR | OFF | 2008/01/24<br>22:22 |
| S32 | 8  | "678252".ap.  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/01/28<br>15:52 |
| S33 | 1  | "6532540".pn.   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/01/28<br>15:52 |
| S34 | 60 | ("4309569"   "4405829"  <br>"4661658"   "4868877"  <br>"4879747"   "4881264"  <br>"4944009"   "4995081"  <br>"5016274"   "5136647"  <br>"5202986"   "5224163"  <br>"5231666"   "5261002"  <br>"5276737"   "5315658"  <br>"5351302"   "5380047"  <br>"5406628"   "5416842"  <br>"5420927"   "5432852"  <br>"5434919"   "5475763"  <br>"5499296"   "5519778"  <br>"5537474"   "5588060"  <br>"5594921"   "5604804"  <br>"5615269"   "5625693"  <br>"5629982"   "5638446"  <br>"5657390"   "5659616"  <br>"5664184"   "5666414"  <br>"5666416"   "5668877"  <br>"5687235"   "5699431"  <br>"5712914"   "5748738"  <br>"5754659"   "5768526"  <br>"5774552"   "5781629"  <br>"5787175"   "6097811"  <br>"RE34954").PN. OR ("6532540").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/28<br>15:53 |
| S35 | 1  | "5903651".pn.   | USPAT                     | OR | OFF | 2008/01/28<br>15:54 |

|     |      |  |   |     |     |                     |
|-----|------|--|---|-----|-----|---------------------|
| S36 | 1    | "5701464".pn.  | USPAT   | OR  | OFF | 2008/01/28<br>17:01 |
| S37 | 1    | "5534855".pn.  | USPAT   | OR  | OFF | 2008/01/28<br>17:01 |
| S38 | 109  | ("4310720"   "4669487"  <br>"4780821"   "4839640"  <br>"5056141"   "5173939").PN. OR<br>("5534855").URPN.                            | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2008/01/28<br>17:01 |
| S39 | 109  | ("4310720"   "4669487"  <br>"4780821"   "4839640"  <br>"5056141"   "5173939").PN. OR<br>("5534855").URPN.                            | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2008/01/28<br>17:11 |
| S40 | 8056 | digital certificate  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/01/30<br>13:40 |
| S41 | 0    | (logon or login) near "5" (digital<br>certificate)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/01/30<br>13:41 |
| S42 | 68   | (logon or login) near5 (digital<br>certificate)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/01/30<br>15:21 |
| S43 | 20   | ("5659616"   "5774552"  <br>"5903882"   "6044462"  <br>"6088805"   "6105131"  <br>"6275941"   "6516316").PN. OR<br>("6775782").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2008/01/30<br>13:46 |
| S44 | 1    | "4868877".pn.  | USPAT   | OR  | OFF | 2008/01/30<br>15:22 |
| S45 | 1    | "5005200".pn.  | USPAT   | OR  | OFF | 2008/01/30<br>15:23 |
| S46 | 1    | "5214702".pn.  | USPAT   | OR  | OFF | 2008/01/30<br>16:00 |
| S47 | 120  | Thawte   | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/01/30<br>16:02 |
| S48 | 1    | "6836765".pn.  | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/01/30<br>16:03 |
| S49 | 1    | "6854056".pn.  | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/01/30<br>16:03 |
| S50 | 1    | "5241594".pn.  | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/01/30<br>16:05 |
| S51 | 1    | "5757920".pn.  | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/01/30<br>16:05 |
| S52 | 1    | "5684948".pn.  | USPAT   | OR  | OFF | 2008/01/31<br>13:08 |

|     |      |                                  |                    |     |     |                     |
|-----|------|----------------------------------|--------------------|-----|-----|---------------------|
| S53 | 1    | "7117284".pn.                    | USPAT              | OR  | OFF | 2008/01/31<br>13:24 |
| S54 | 1    | "5659616".pn.                    | USPAT              | OR  | OFF | 2008/01/31<br>15:44 |
| S55 | 340  | age near5 (attribute)            | USPAT              | OR  | OFF | 2008/01/31<br>17:12 |
| S56 | 80   | age near5 (attribute) near5 user | USPAT              | OR  | OFF | 2008/01/31<br>17:12 |
| S57 | 18   | age near5 (user attribute)       | USPAT              | ADJ | OFF | 2008/01/31<br>17:12 |
| S58 | 73   | age near5 (user attribute)       | US-PGPUB;<br>USPAT | ADJ | OFF | 2008/01/31<br>17:13 |
| S59 | 950  | age near5 (attribute)            | US-PGPUB;<br>USPAT | ADJ | OFF | 2008/01/31<br>17:14 |
| S60 | 46   | S59 and @ay <= "1995"            | US-PGPUB;<br>USPAT | ADJ | OFF | 2008/01/31<br>17:14 |
| S61 | 1    | interactive on-line game         | USPAT              | ADJ | OFF | 2008/02/03<br>16:38 |
| S62 | 81   | on-line game                     | USPAT              | ADJ | OFF | 2008/02/03<br>16:39 |
| S63 | 4    | S62 near5 software               | USPAT              | ADJ | OFF | 2008/02/03<br>16:39 |
| S64 | 4    | S62 near5 software               | US-PGPUB;<br>USPAT | ADJ | OFF | 2008/02/03<br>16:40 |
| S65 | 14   | interactive online game          | US-PGPUB;<br>USPAT | ADJ | OFF | 2008/02/03<br>16:42 |
| S66 | 759  | online game                      | US-PGPUB;<br>USPAT | ADJ | OFF | 2008/02/03<br>16:42 |
| S67 | 1246 | online game                      | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/02/03<br>16:42 |
| S68 | 175  | online game                      | USPAT              | ADJ | ON  | 2008/02/03<br>16:42 |
| S69 | 2    | S68 near5 software               | USPAT              | ADJ | ON  | 2008/02/03<br>16:42 |
| S70 | 1    | "5596994".pn.                    | USPAT              | ADJ | ON  | 2008/02/03<br>16:46 |
| S71 | 1    | "5978567".pn.                    | USPAT              | ADJ | ON  | 2008/02/03<br>16:47 |
| S72 | 5    | "727324".ap.                     | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/02/03<br>18:02 |
| S73 | 1607 | (726/4).CCLS.                    | US-PGPUB;<br>USPAT | OR  | OFF | 2008/02/03<br>18:39 |
| S74 | 2115 | (713/193).CCLS.                  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/02/03<br>18:39 |
| S75 | 25   | S73 and @ay <= "1995"            | US-PGPUB;<br>USPAT | OR  | OFF | 2008/02/03<br>18:39 |
| S76 | 162  | S74 and @ay <= "1995"            | US-PGPUB;<br>USPAT | OR  | OFF | 2008/02/03<br>18:39 |

|     |      |                                      |   |    |     |                     |
|-----|------|--------------------------------------|---|----|-----|---------------------|
| S77 | 92   | Ginter-Karl-I.in.                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/03<br>18:40 |
| S78 | 144  | Shear-Victor-H.in.                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/03<br>18:40 |
| S79 | 92   | Spahn-Francis-j.in.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/03<br>18:41 |
| S80 | 0    | wie-David-m.in.                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/03<br>18:41 |
| S81 | 65   | weber-robert-p.in.                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/03<br>18:41 |
| S82 | 8    | "678252".ap.                         | US-PGPUB;<br>USPAT  | OR | OFF | 2008/02/03<br>18:57 |
| S83 | 1    | "5659616".pn.                        | USPAT   | OR | OFF | 2008/09/26<br>17:17 |
| S84 | 6    | "727324".ap.                         | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/27<br>11:50 |
| S85 | 9802 | digital adj2 certificate             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>11:51 |
| S86 | 250  | first adj2 digital adj2 certificate  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>11:52 |
| S87 | 145  | second adj2 digital adj2 certificate | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>11:52 |

|     |    |   |   |    |     |                     |
|-----|----|---|---|----|-----|---------------------|
| S88 | 82 | S86 same S87  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>11:52 |
| S89 | 62 | S88 and (@pd<="20031203" OR<br>@ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203")                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>11:57 |
| S90 | 1  | "20030051134".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/27<br>12:52 |
| S91 | 8  | "940706".ap.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/27<br>12:53 |
| S92 | 13 | (verif\$4 or authenticat\$4 or<br>authoriz\$4) same ((issu\$4) adj2<br>(another or second) adj2<br>certificate) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>13:10 |
| S93 | 9  | S92 and (@pd<="20031203" OR<br>@ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203")                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>13:10 |
| S94 | 0  | "2002099663".pn.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/27<br>13:15 |
| S95 | 57 | Yoshino-kenji.in.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/27<br>13:16 |
| S96 | 1  | "7047404".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/27<br>13:17 |
| S97 | 1  | issu\$4 adj2 (second or another)<br>adj2 certificate adj2 user  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>13:20 |
| S98 | 34 | issu\$4 near5 (second or another)<br>near5 certificate near5 user   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>13:24 |
| S99 | 2  | issu\$4 near5 (second or another)<br>near5 certificate near5 user<br>near5 (permis\$5)                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>13:25 |

|      |     |   |   |    |     |                     |
|------|-----|---|---|----|-----|---------------------|
| S100 | 28  | S98 and (@pd<="20031203" OR @ad<="20031203" OR @riad<="20031203" OR @prad<="20031203")  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>13:26 |
| S101 | 0   | "483185".pn.  | USPAT   | OR | OFF | 2008/09/27<br>13:55 |
| S102 | 0   | "483186".pn.  | USPAT   | OR | OFF | 2008/09/27<br>13:55 |
| S103 | 145 | (second or another) adj2 digital adj2 certificate                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>14:10 |
| S104 | 10  | issu\$4 adj2 (second or another) adj2 digital adj2 certificate                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>14:10 |
| S105 | 0   | S104 near5 (access\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>14:10 |
| S106 | 8   | S104 and (@pd<="20031203" OR @ad<="20031203" OR @riad<="20031203" OR @prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>14:10 |
| S107 | 145 | (second or another) adj2 digital adj2 certificate                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>14:16 |
| S108 | 7   | S107 near5 (access\$4 or perm\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>14:16 |
| S109 | 3   | S108 and (@pd<="20031203" OR @ad<="20031203" OR @riad<="20031203" OR @prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>14:16 |

|      |      |   |   |    |     |                     |
|------|------|---|---|----|-----|---------------------|
| S110 | 8    | S107 near5 (access\$4 or permi\$5)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>14:38 |
| S111 | 1    | S107 near5 (permi\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>14:38 |
| S112 | 7315 | public adj2 key adj2 certificate or (identi\$4 adj2 certificate)                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>17:28 |
| S113 | 1540 | authoriz\$5 adj2 certificate or attribute adj2 certificate                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>17:28 |
| S114 | 363  | S112 same S113  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>17:29 |
| S115 | 254  | S114 and (@pd<="20031203" OR @ad<="20031203" OR @rlad<="20031203" OR @prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>17:29 |
| S116 | 1    | "4868877".pn.   | USPAT   | OR | OFF | 2008/09/27<br>17:53 |
| S117 | 1    | "5005200".pn.   | USPAT   | OR | OFF | 2008/09/27<br>17:55 |
| S118 | 1    | "5214702".pn.   | USPAT   | OR | OFF | 2008/09/27<br>17:56 |
| S119 | 3    | S112 same (issu\$4 near5 S113 near5 permi\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>18:01 |
| S120 | 2    | S119 and (@pd<="20031203" OR @ad<="20031203" OR @rlad<="20031203" OR @prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>18:01 |
| S121 | 5    | "821079".ap.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/27<br>18:27 |

|      |      |                     |   |     |     |                     |
|------|------|---------------------|---|-----|-----|---------------------|
| S122 | 79   | Ginter-Karl-I.in.   | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/09/27<br>21:19 |
| S123 | 123  | Shear-Victor-h.in.  | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/09/27<br>21:19 |
| S124 | 79   | Spahn-Francis-j.in. | US-PGPUB;<br>USPAT  | OR  | OFF | 2008/09/27<br>21:20 |
| S125 | 0    | Van wie-David-m.in. | US-PGPUB;<br>USPAT  | ADJ | OFF | 2008/09/27<br>21:20 |
| S126 | 60   | Weber-Robert-p.in.  | US-PGPUB;<br>USPAT  | ADJ | OFF | 2008/09/27<br>21:20 |
| S127 | 1065 | (713/155).CCL.S.    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/27<br>21:26 |
| S128 | 1100 | (713/156).CCL.S.    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/27<br>21:26 |
| S129 | 203  | (713/157).CCL.S.    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/27<br>21:26 |
| S130 | 229  | (713/158).CCL.S.    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/27<br>21:26 |
| S131 | 557  | (713/175).CCL.S.    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/27<br>21:26 |
| S132 | 350  | (726/10).CCL.S.     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/27<br>21:26 |
| S133 | 720  | (705/67).CCL.S.     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/27<br>21:26 |



|      |     |  |   |    |     |                     |
|------|-----|--|---|----|-----|---------------------|
| S134 | 918 | S127 and (@pd<="20031203"<br>OR @ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>21:27 |
| S135 | 871 | S128 and (@pd<="20031203"<br>OR @ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>21:27 |
| S136 | 175 | S129 and (@pd<="20031203"<br>OR @ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>21:27 |
| S137 | 183 | S130 and (@pd<="20031203"<br>OR @ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>21:27 |
| S138 | 442 | S131 and (@pd<="20031203"<br>OR @ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>21:27 |
| S139 | 285 | S132 and (@pd<="20031203"<br>OR @ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>21:27 |
| S140 | 600 | S133 and (@pd<="20031203"<br>OR @ad<="20031203" OR<br>@riad<="20031203" OR<br>@prad<="20031203") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/27<br>21:27 |
| S141 | 276 | S133 and (certificate)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>21:28 |
| S142 | 242 | S140 and (certificate)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>21:28 |

|      |     |  |   |    |     |                     |
|------|-----|--|---|----|-----|---------------------|
| S143 | 460 | S134 and (certificate)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/27<br>21:28 |
| S144 | 6   | "727324".ap.   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/24<br>14:30 |
| S145 | 1   | "5659616".pn.  | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/24<br>14:32 |
| S146 | 1   | "20020144108".pn.  | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/24<br>14:33 |
| S147 | 1   | "5956408".pn.  | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/24<br>14:33 |
| S148 | 1   | "5537618".pn.  | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/24<br>14:34 |
| S149 | 1   | "5978567".pn.  | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/24<br>14:34 |
| S150 | 7   | "426764".ap.   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/24<br>14:51 |
| S151 | 147 | (second or another) adj2 digital<br>adj2 certificate   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/24<br>15:10 |
| S152 | 5   | S151 and (@pd<="19960812"<br>OR @ad<"19960812" OR<br>@riad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>15:12 |
| S153 | 255 | pay\$4 near5 (digital adj2<br>certificate)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>17:47 |
| S154 | 36  | S153 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@riad<"19960812" OR @prad<<br>"19960812")  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>17:47 |
| S155 | 867 | request\$4 near5 pay\$4 near5<br>services  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>18:41 |

|      |       |   |   |    |    |                     |
|------|-------|---|---|----|----|---------------------|
| S156 | 66    | request\$4 near5 pay\$4 near5 services near5 receive\$4                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:42 |
| S157 | 3     | S156 and (@pd<"19960812" OR @ad<"19960812" OR @riad<"19960812" OR @prad<"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:42 |
| S158 | 8110  | request\$4 same pay\$4 same services  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:43 |
| S159 | 3609  | request\$4 same pay\$4 same services same receive\$4                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:43 |
| S160 | 11    | request\$4 same pay\$4 same ("online services") same receive\$4                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:44 |
| S161 | 0     | S160 and (@pd<"19960812" OR @ad<"19960812" OR @riad<"19960812" OR @prad<"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:44 |
| S162 | 14047 | pay\$4 same services same receive\$4  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:44 |
| S163 | 76    | pay\$4 same ("online services") same receive\$4                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:44 |
| S164 | 2     | S163 and (@pd<"19960812" OR @ad<"19960812" OR @riad<"19960812" OR @prad<"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/24<br>18:44 |

|      |       |   |   |    |     |                     |
|------|-------|---|---|----|-----|---------------------|
| S165 | 14047 | pay\$4 same (services) same<br>receiv\$4  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>18:46 |
| S166 | 273   | pay\$4 same ("online services")   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>18:46 |
| S167 | 42    | S166 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>18:46 |
| S168 | 45    | payer same (digital adj2<br>certificate)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>19:31 |
| S169 | 5     | S168 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>19:31 |
| S170 | 44    | pay\$4 adj3 before adj2 service   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/24<br>20:50 |
| S171 | 1     | S170 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>20:50 |
| S172 | 374   | pay\$4 near5 before near5<br>service  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/24<br>20:51 |
| S173 | 35    | S172 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>20:51 |

|      |    |   |   |    |     |                     |
|------|----|---|---|----|-----|---------------------|
| S174 | 27 | pay\$4 near5 before near5<br>service near5 (authoriz\$4)                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/24<br>20:58 |
| S175 | 6  | S174 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>20:58 |
| S176 | 3  | pay\$4 near5 before near5<br>service near5 (permi\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>21:13 |
| S177 | 1  | S176 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>21:13 |
| S178 | 24 | pay\$4 near5 before near5<br>service near5 (allow\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>21:14 |
| S179 | 1  | S178 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>21:14 |
| S180 | 1  | pay\$4 near5 before near5<br>service near5 (certificate)                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>21:15 |
| S181 | 0  | S180 and (@pd<"19960812" OR<br>@ad<"19960812" OR<br>@rlad<"19960812" OR @prad<<br>"19960812") | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/24<br>21:15 |
| S182 | 1  | "5659616".pn.   | USPAT   | OR | OFF | 2009/05/24<br>22:01 |

5/ 25/ 2009 6:05:02 PM

C:\Documents and Settings\ashan\ My Documents\ EAST\ Workspaces  
\ 10727324TrustedinfrastructureEcommerce.wsp